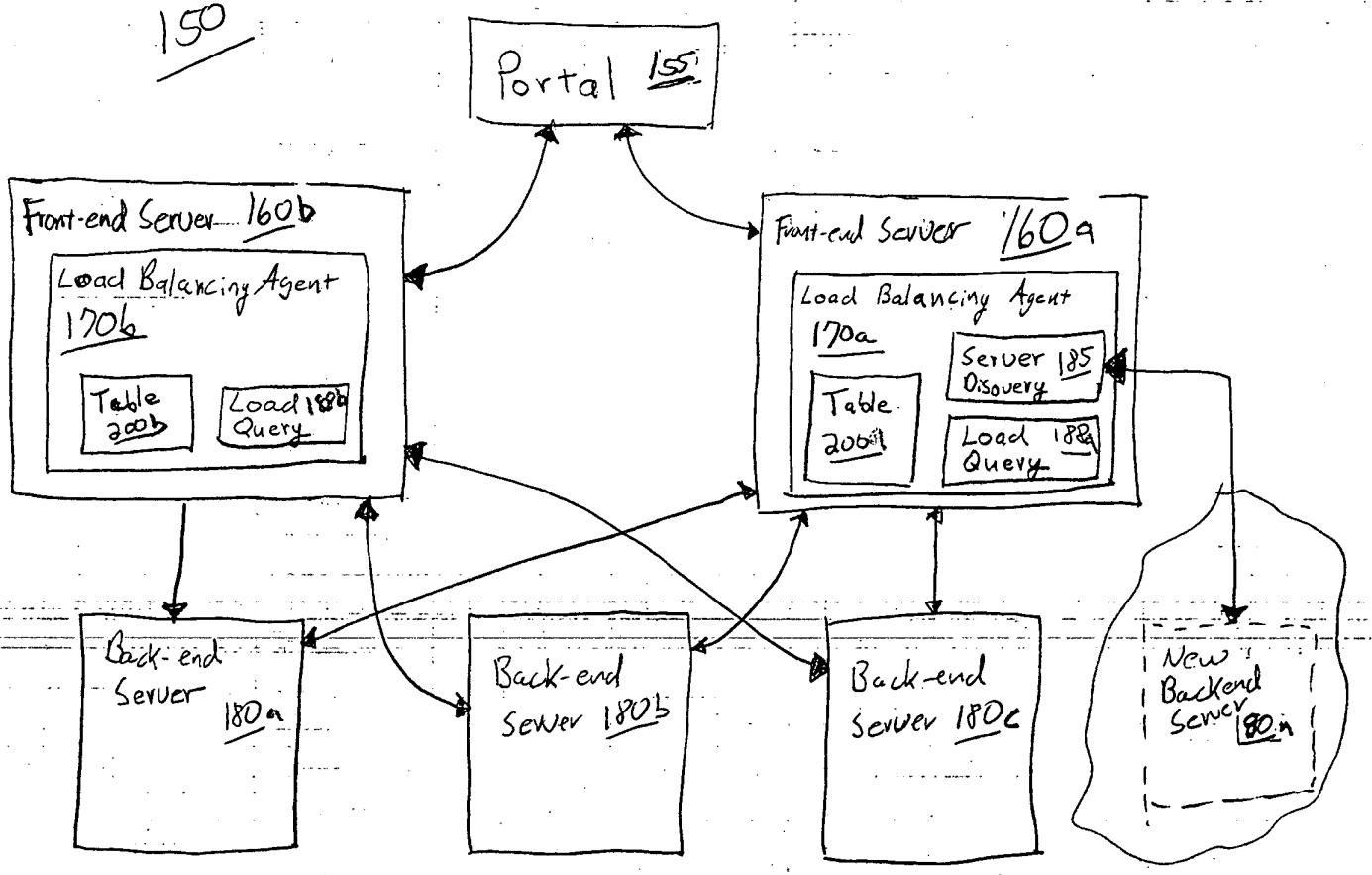
150
Portal 155
Front-end Server 160b
Load Balancing Agent 170b
Table 200b
Load Query 188
Front-end Server 160a
Load Balancing Agent 170a
Server Discovery 185
Table 200a
Load Query 188
Back-end Server 180a
Back-end Server 180b
Back-end Server 180c
New Backend Server 180n

Fig. 1

210 220 200 230 240

Server ID	Initial Response	Load	Stress Factor
Server 1	0.5	10	0.44
Server 2	1.0	55	1.26
Server 3	1.2	50	1.34
⋮			
Server N	0.25	75	0.96

Fig. 2

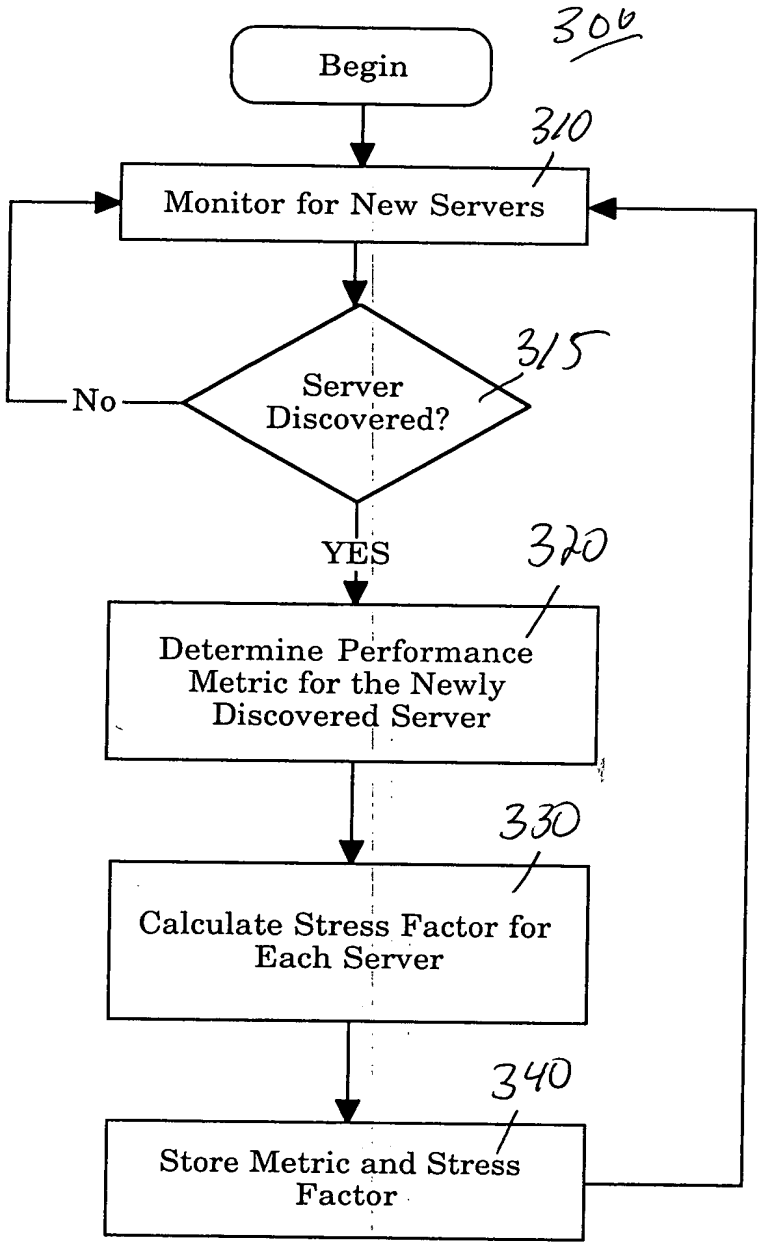
300
Begin
310
Monitor for New Servers
315
Server Discovered?
No
YES
320
Determine Performance Metric for the Newly Discovered Server
330
Calculate Stress Factor for Each Server
340
Store Metric and Stress Factor

FIG. 3

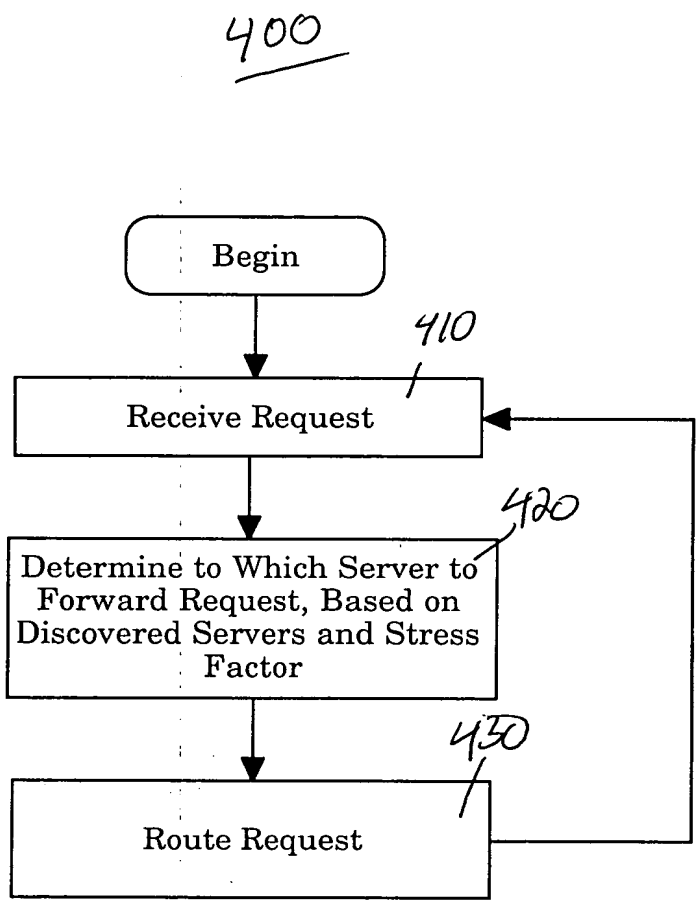
400
Begin
410
Receive Request
420
Determine to Which Server to Forward Request, Based on Discovered Servers and Stress Factor
430
Route Request

FIG. 4

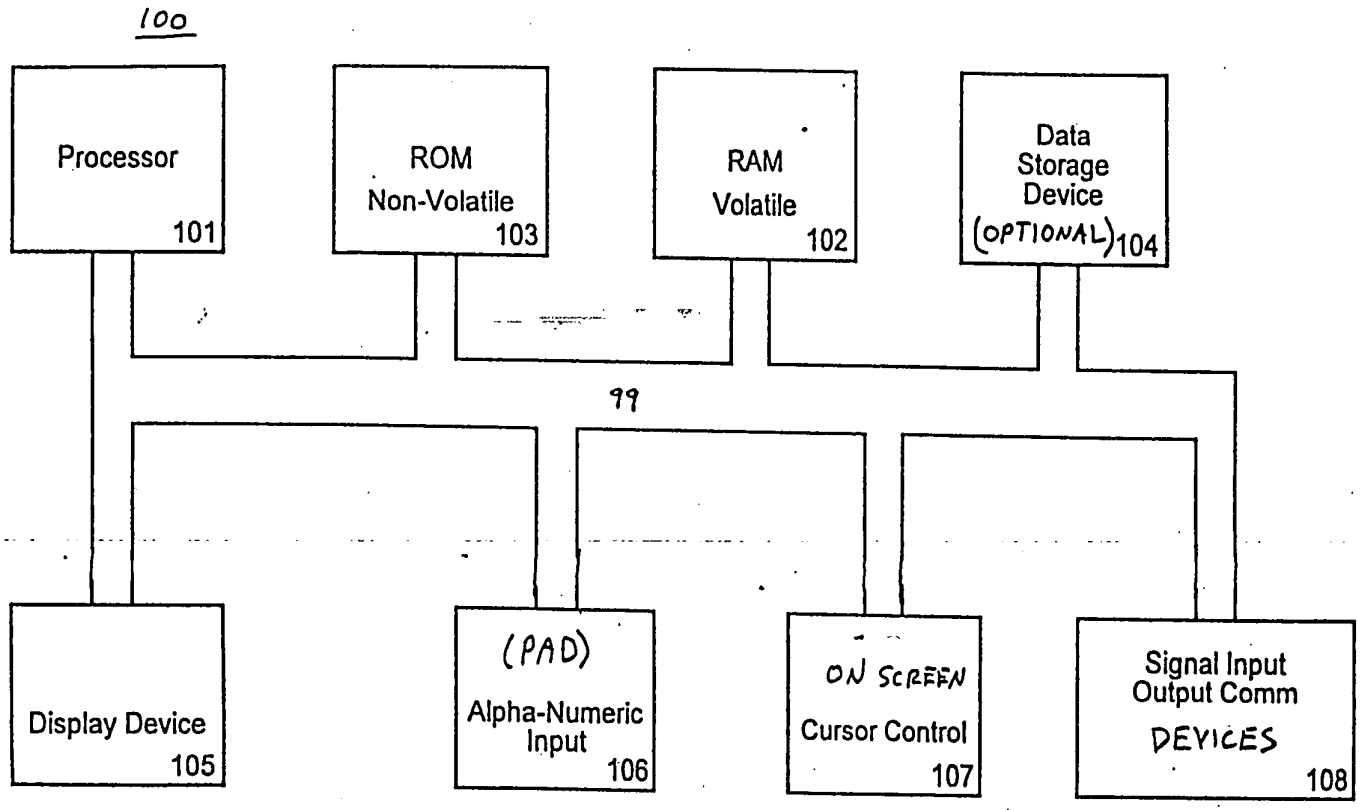
100
Processor
101
ROM
Non-Volatile
103
RAM
Volatile
102
Data
Storage
Device
(OPTIONAL)104
99
Display Device
105
(PAD)
Alpha-Numeric
Input
106
ON SCREEN
Cursor Control
107
Signal Input
Output Comm
DEVICES
108

FIG. 5